Abstract

A vehicle-carried mobile container inspection apparatus characterized in that the mobile container inspection apparatus comprises a first box-shaped cabin arranged in the front portion of the chassis and provided with a workroom accommodating a scan control module, an image acquisition module and an operation/inspection module; and a second box-shaped cabin and a third box-shaped cabin both arranged on the rear portion of the rotatable platform, in which the second box-shaped cabin is arranged on the top of the third box-shaped cabin, the control unit of the radiation source is accommodated in the second box-shaped cabin, the third box-shaped cabin is arranged under the rotatable platform, the radiation source is arranged in the third box-shaped cabin, the level of the radiation source from which the X-ray beam emit is arranged below the level of the chassis, the scanning vehicle is provided with a driving means to smoothly move the scanning vehicle; the rotatable platform is provided with a rotatably driving means, when inspecting a container, the rotatable platform is driven to turn 90 degrees, and the second arm turns into its vertical gesture, so that a portal-shaped frame is formed by means of the parallelogrammical bracket, the first arm and the second arm. The mobile inspection container apparatus is capable of inspecting as broad area as to reach the vehicle chassis. The apparatus comprises two vehicles, in which usually the both vehicles are used, while only one vehicle is used for fulfilling the inspection work in emergency.